AMENDMENTS TO THE CLAIMS

Claims 1-10 canceled.

11. (New) An aluminate phosphor comprising an aluminate represented by a general composition formula: $7(Sr_{1-x}Eu_x)O.yAl_2O_3$, wherein $0<x\leq0.5$ and $1\leq y\leq36$.

12. (New) The aluminate phosphor according to claim 11, wherein $0.001<x\leq0.3$ and $3\leq y\leq27$ in the general composition formula.

13. (New) The aluminate phosphor according to claim 12, wherein $y=12$ in the general composition formula.

14. (New) The aluminate phosphor according to claim 11, wherein the aluminate phosphor emits light in a violet to blue-green region by ultraviolet excitation.

15. (New) The aluminate phosphor according to claim 12, wherein the aluminate phosphor emits light in a violet to blue-green region by ultraviolet excitation.

16. (New) A method for producing an aluminate phosphor,

wherein the aluminate phosphor comprises an aluminate represented by a general composition formula: $7(Sr_{1-x}Eu_x)O.yAl_2O_3$, wherein $0<x\leq0.5$ and $1\leq y\leq36$,

comprising:

(1) a step of producing a powder of organic metal chelate complexes including Sr, Eu and Al as metal components,

(2) a step of firing the powder obtained in the step (1) to obtain a multi metal oxide,

(3) a step of reducing the multi metal oxide obtained in the step (2).

17. (New) The method according to claim 16, wherein the step (1) comprises mixing the metals or compounds thereof and an organic chelating agent, and/or metal chelate complexes of the metals so as to be a predetermined metal composition; thereby forming a transparent aqueous solution of organic metal chelate complexes; and spray-drying the aqueous solution to obtain a powder.

18. (New) The method according to claim 17, wherein an aminocarboxylic acid-based chelating agent and/or salt thereof is used as the organic chelating agent.

19. (New) The method according to claim 17, wherein a complex consisting of an aminocarboxylic acid-based chelating agent and a metal ion, and/or salt thereof is used as the metal chelate complex.

20. (New) The method according to claim 16, wherein the reducing treatment is carried out at about 1400°C in the step (3).

21. (New) The method according to claim 17, wherein the reducing treatment is carried out at about 1400°C in the step (3).

22. (New) The method according to claim 16, wherein the reducing treatment is carried out in an argon and hydrogen atmosphere or in a nitrogen and hydrogen atmosphere in the step (3).

23. (New) The method according to claim 17, wherein the reducing treatment is carried out in an argon and hydrogen atmosphere or in a nitrogen and hydrogen atmosphere in the step (3).